

Converting Colors

CIELCh(50, 87.709, 300.350)

Have a look what the booklet for
CIELCh(50, 87.709, 300.350)
contains.

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Color

CIELCh(50, 87.681, 300.298)

Conversions

Conversions Part 1

Format	Color
Hex	6562FA
RGB	101, 98, 250
RGB Percent	40%, 38%, 98%
CMY	0.6037, 0.6155, 0.0194
CMYK	0.60, 0.61, 0.00, 0.02
HSL	241°, 94%, 68%
HSV	241°, 61%, 98%
XYZ	27.0083, 18.4187, 92.6156
YIQ	116.2250, -47.0040, 47.9080

Conversions

Conversions Part 2

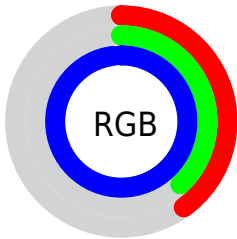
Format	Color
R_{YB}	101, 98, 250
Decimal	6644474
CIE _{Lab}	50.00, 44.23, -75.70
CIE _{LCh}	50, 87.681, 300.298
Y _{xy}	18.4187, 0.1957, 0.1334
Android (android.graphics.Color)	4284834554 (0xFF6562FA)
YUV	116.2250, 65.9511, -13.3523
Hunter-Lab	42.9170, 37.2281, -97.9071

Details

The CIELCh color **50, 87.681, 300.298** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **96, 72.913, 105.504**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **67, 58.804, 300.026**, and **30, 87.420, 300.241** is the 20% darker color. If you saturate the color by 10%, you get **43, 103.123, 302.423**, and if you desaturate by 10%, it is **58, 71.967, 298.224**.

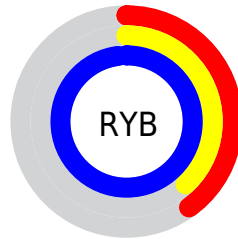
Distribution



Red (40%)

Green (38%)

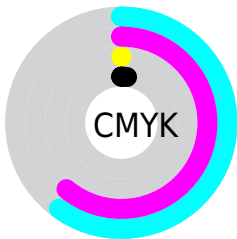
Blue (98%)



Red (40%)

Yellow (38%)

Blue (98%)

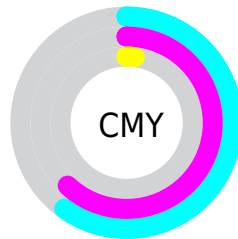


Cyan (60%)

Magenta (61%)

Yellow (0%)

Black (2%)



Cyan (60%)

Magenta (62%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 87.681, 300.298 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 87.681, 300.298 by changing the saturation by 10% instead.

 50, 87.681,
300.298


 50, 87.681,
300.298

 100, 87.681,
300.298


 40, 87.681,
300.298

 70, 87.681,
300.298

 30, 87.681,
300.298

 80, 87.681,
300.298

 20, 87.681,
300.298

 90, 87.681,
300.298

 10, 87.681,
300.298

 0, 87.681, 300.298

 50, 87.681,
300.298

 50, 87.681,
300.298

43, 103.123,
302.423

58, 71.967,
298.224

37, 116.925,
304.334

65, 56.607,
296.335

33, 126.949,
305.690

73, 41.819,
294.682

32, 131.756,
306.327

82, 27.643,
293.265

90, 14.057,
292.062

98, 1.021, 291.101

100, 2.499,
109.960

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 87.681, 300.298



96, 72.913, 105.504

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 87.681, 300.298



50, 87.681, 350.298



50, 87.681, 120.298



50, 87.681, 170.298

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 87.681, 300.299



85, 24.175, 292.911



90, 40.661, 198.771



43, 16.901, 293.283



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 87.681, 300.299



43, 108.082, 302.890



57, 86.984, 312.628



48, 7.382, 291.920



23, 106.608, 306.344



3, 42.085, 301.254

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



66, 88.749, 328.107



64, 102.186, 328.531



91, 79.629, 126.984



49, 8.789, 325.482



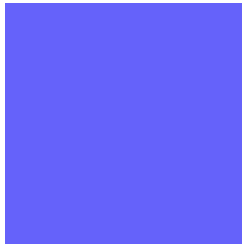
45, 90.731, 329.039



11, 41.131, 328.936

Previews

White Background



This preview shows how the CIELCh color 50, 87.681, 300.298 looks on a white background.

Color Contrast Check

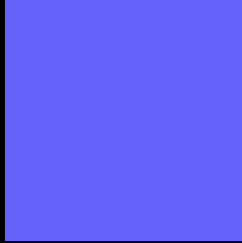
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 87.681, 300.298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

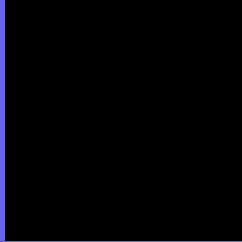
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 87.681, 300.298

Background



This preview shows how black text looks on a background with the CIELCh color 50, 87.681, 300.298.

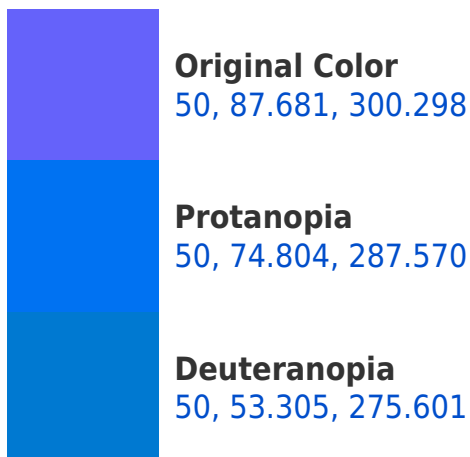


This preview shows how white text looks on a background with the CIELCh color 50, 87.681, 300.298.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
50, 23.978, 212.951

Trichromacy



Original Color
50, 87.681, 300.298



Protanomaly
49, 79.863, 291.293



Deuteranomaly
49, 65.370, 285.870



Tritanomaly
49, 37.900, 274.372

Monochromacy



Original Color
50, 87.681, 300.298



Achromatopsia
49, 0.007, 296.813



Achromatomaly
48, 33.041, 295.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 87.681, 300.298 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(101, 98, 250)` looks like.

```
.text, #text, p{  
    color:rgb(101, 98, 250)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(101, 98, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 98, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 87.681, 300.298 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 98, 250) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(101, 98, 250) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(101, 98, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 98, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 98, 250);  
box-shadow:4px 4px 4px 4px rgb(101, 98,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 87.681, 300.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 98, 250) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(101, 98,  
250) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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